



NEW CERTIFICATE SERIES

## Advanced Lighting Systems

Complete the Series: Earn 0.6 CEUs

**REGISTER NOW!**

Learn to deliver exactly the right illumination levels at the right time  
for comfortable, productive, and safe environments

The new FEMP Certificate Series – **Advanced Lighting Systems** provides comprehensive instruction on the most current interior and exterior lighting system applications, including lighting sources, technologies, controls, and emerging trends, as well as federal procurement guidance, requirements, and resources.

By completing this series, participants will learn to:

- **Identify interior and exterior lighting sources** and their most effective applications
- **Evaluate key factors** in lighting retrofit and replacement
- **Select among cost-effective lighting control** configurations
- **Specify the best types of LEDs** to meet project requirements

**Advanced Lighting Systems: An Overview** (0.2 CEUs):

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Provides a summary of current lighting sources and applications, with a concentration on LED technologies, as well as controls, retrofits, and how to identify the most cost-effective installation options. This course also details federal guidance, requirements, and procurement resources.

**Advanced Interior Lighting Systems** (0.2 CEUs):

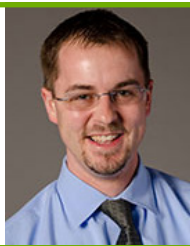
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Covers interior applications, including fluorescents, CFLs, induction, metal halide, and LEDs, as well as controls, savings opportunities, emerging technologies, and future trends.

**Advanced Exterior Lighting Systems** (0.2 CEUs):

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Covers exterior applications, including high intensity discharge sources, induction lighting, and LEDs, as well as exterior fixtures, controls, example projects, emerging technologies, and future trends.



Instructor:

**Michael Myer**

Lighting Engineer

Pacific Northwest National Laboratory



FEMP eTraining Courses are designed for federal energy and facility managers, but are open to all individuals at

[femp.energy.gov/training](http://femp.energy.gov/training).

Hosted in partnership with the National Institute of Building Sciences Whole Building Design Guide at

[http://www.wbdg.org/education/femp\\_ce.php](http://www.wbdg.org/education/femp_ce.php)

For more information contact: [Nicolas.Baker@EE.Doe.Gov](mailto:Nicolas.Baker@EE.Doe.Gov)

Complete a quiz and course evaluation to receive a  
Certificate of Completion and CEUs



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